

Recombinant Swine Macrophage Migration Inhibitory Factor (MIF), N-His

Cat. No.: AP9C788

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Swine Macrophage Migration Inhibitory Factor (MIF), N-His is a recombinant protein expressed from *E. coli*. Its predicted molecular weight is 20.7 kDa. The purity is >95% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Swine
Expression System	<i>E. coli</i>
Purity	>95% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	20.7 kDa
Molecular Weight	21.0 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Target Information

Swine macrophage migration inhibitory factor (MIF) is a multifunctional cytokine that plays a central role in inflammation and immune responses. It is involved in the regulation of cell growth, cell cycle, angiogenesis, and tumorigenesis. MIF is unique among cytokines as it acts as a pro-inflammatory mediator and has the ability to counteract the effects of glucocorticoids, positioning it at the intersection of immune and endocrine systems. It is also considered an upstream activator of monocytes/macrophages and is implicated in the pathogenesis of immune diseases such as sepsis and arthritis, making it a target of interest for immunotherapy.

Protein	Swine Macrophage Migration Inhibitory Factor (MIF)
Protein Synonym	MIF; MIH; MIS; Müllerian Inhibiting Factor; Müllerian Inhibiting Hormone; Müllerian Inhibiting Substance
Gene ID	397412

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -80°C for 12 months.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.